

## IPS Direct LED Full HD Capable Monitor

### ▶ 47WL10MS-B

47" class (46.96" measured diagonally)

### ▶ 42WL10MS-B

42" class (41.92" measured diagonally)



## Features

### TCO Total Cost of Ownership

The the WL10MS series are Energy Star® 6.0 compliant consuming approximately 40% less energy than non-compliant models. In standby mode, they use less than one watt of power and meet the environmental regulations such as EPA and Erp, while excluding the use of harmful materials (RoHS) and reducing CO2 emissions.

### IPS In Plane Switching

Super IPS accurately display an image's quality and color at an 178° ultra wide viewing angle. There is no fall-off in color accuracy and no diversion in contrast ratio at wide angles. From bright sunlight to the most challenging lighting environments these displays are designed to reproduce and maintain the ultimate color temperature for lifelike images.

## Specifications

**Native Display Resolution** 1920 X 1080 (FHD)

**High Brightness** 400 cd/m<sup>2</sup>

**Contrast Ratio** 1,000:1 (Typ.), 500,000:1 (DCR) (42WL10MS-B)  
1,200:1 (Typ.), 500,000:1 (DCR) (47WL10MS-B)

**178°/178° Ultra Wide Viewing Angle**

**Suitable for Portrait or Landscape Installation**

**RJ-45 LAN Control**

**RGB, DVI and HDMI Connection**

**RS-232C Control**

**Convenient External Speaker-Out**

**Energy Star® 6.0 compliant**

**Bezel Width** 14.8mm(L/R/U), 19.4mm(B) (42WL10MS-B)  
15.3mm(L/R/U), 19.9mm(B) (47WL10MS-B)

**USB Playback**

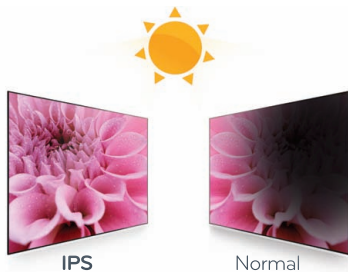
**Temperature Sensor**

**PIP/PBP**

**3-Year Limited Warranty Parts/Labor/Backlight**

## NO BLACKENING DEFECT

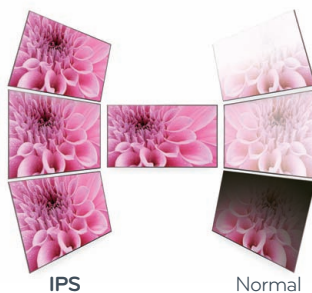
Display has a built-in temperature control that adjusts to light and heat eliminating dark or blackened areas.



If the outdoor temperature is 86°F  
the surface temperature of display is 185°F

## TRUE WIDE VIEWING

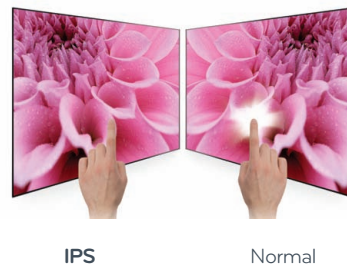
Color changes and distortion are eliminated from any viewing angle.



Color change average @ 60°  
Gamma change average @ 60°

## PANEL STABILITY

Minimized image distortion when external pressure is applied.



IPS

Normal

## Wide Viewing Angle

Provides a clear image virtually at any angle.



## High Picture Quality & Brightness

Clear and vivid picture quality with the deepest black. Consumes approximately 40% less energy the LCD models.

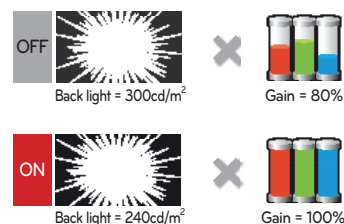


## Improved Bezel & Depth



## Smart Energy Saving

Reduce energy consumption by approximately 30%



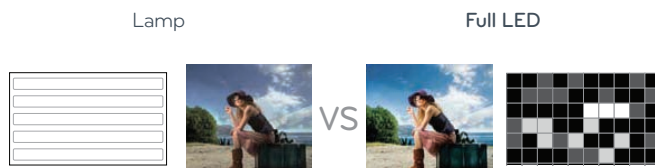
## Easy & Fast Delivery of Content

USB multi-media playback



## High Picture Quality

High contrast ratio of 500,000:1 delivers crisp and vivid pictures with the deepest blacks.





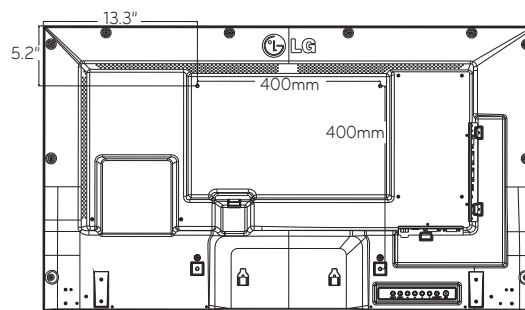
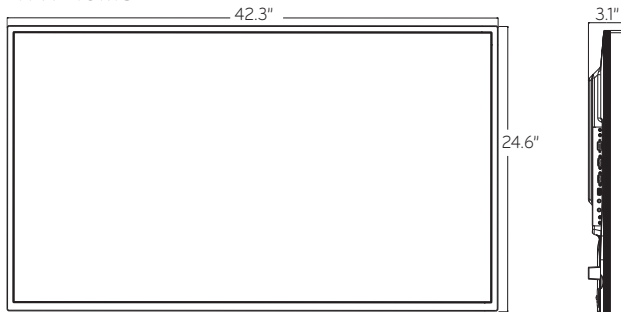
## LIFE'S GOOD... when it's green.

LG is committed to improving product development, manufacturing and usage to meet the demand for products with environmentally friendlier features. Our televisions have technologies to reduce power consumption and in return increase cost savings per room.

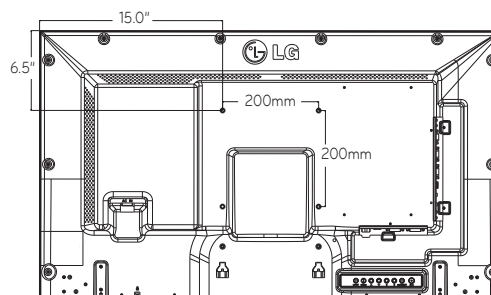
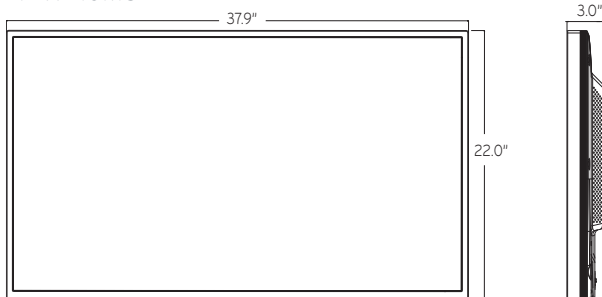
### EcoSmart

- **Intelligent Sensor** - Continually monitors room light conditions to automatically optimize the picture quality for a more enjoyable viewing experience, which can help save energy.
- **Dynamic Power Savings** - Using built-in algorithms, TV will automatically reduce the power consumption based on incoming video, while maximizing picture performance.
- **Static Power Savings** - Picture brightness level can be set at the preferred power consumption level to reduce power and increase energy savings.
- **CEC Compliant** - Meets the Appliance Efficiency Regulations of the California Energy Commission.
- **RoHS Compliant** - Meets directive on restriction of hazardous substances.
- **Energy Star 6.0 Qualified** - Meets current reduction requirements of energy consumption.

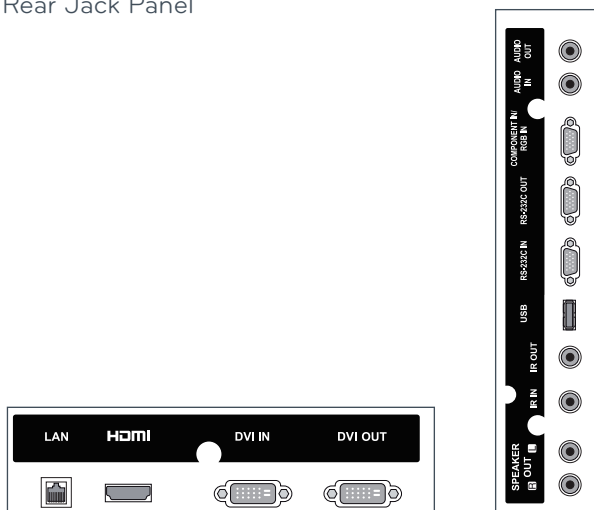
47WL10MS-B



42WL10MS-B



Rear Jack Panel



# IPS Direct LED

## Full HD Capable Monitor

▶ 47WL10MS-B

47" class (46.96" measured diagonally)

▶ 42WL10MS-B

42" class (41.92" measured diagonally)



PANEL	Model	42WL10MS-B	47WL10MS-B
	Screen Size	42" (41.92" measured diagonally)	47" (46.96" measured diagonally)
	Panel Technology	IPS	
	Aspect Ratio	16 : 9	
	Native Resolution	1920 x 1080 (FHD)	
	Pixels(H x V x 3)	6,220,800	
	Brightness	400 cd/m <sup>2</sup>	
	Contrast Ratio	1,000:1	1,200:1
	Dynamic CR	500,000 : 1	
	Color Gamut	68%	
	Tni	-	
	Viewing Angle	178°/178°	
	Color Depth	1.06 Billion	
	Response Time	6ms	9ms
	Surface Treatment	Hard coating(3H), Anti-reflection treatment of the front polarizer (Haze 1%)	
	Orientation	Portrait and Landscape	
VIDEO (PC)	Max Input Resolution	1920 X 1080@ 60Hz(RGB,HDMI/DVI-D)	
	Rec. Resolution	1920 X 1080@ 60Hz(RGB,HDMI/DVI-D)	
	H-Scanning Freq	30 ~ 68kHz (RGB, HDMI/DVI-D)	
	V-Scanning Freq	56Hz ~ 75Hz (RGB), 56Hz~60Hz (HDMI/DVI-D)	
	Pixel Frequency	148.5 MHz (RGB, HDMI/DVI-D)	
	Sync Compatability	Separate, Composite, Digital	
	Video Input	RGB, HDMI, DVI-D	
	Picture mode	Vivid, Standard, Cinema, Sports, Game	
	Color temperature	Warm, Medium, Cool	
CONNECTIVITY INPUT (Rear)	Digital	HDMI(1), DVI-D(1)	
	Analog	RGB(1)	
	Audio	RGB/DVI-D/Component(3.5Φ 1)	
	External Control	RS232C(1), RJ45(1), IR(1)	
	USB	Yes(1)	
	HDTV Formats	Component: 720p, 1080i, 1080p HDMI: 720p, 1080i, 1080p	
OUTPUT (Rear)	Digital	DVI-D(1)	
	Audio	Yes(1)	
	External Control	RS232C(1), IR(1)	
AUDIO	Balance	Yes	
	Audio Power	20W (10W x 2)	
	Speaker on/off	Yes	
	Clear Voice II	Yes	
	Sound Mode	Standard / Music / Cinema / Sport / Game	

PHYSICAL SPECIFICATIONS	Model	42WL10MS-B	47WL10MS-B
	Color	Black	
	Bezel Width	14.8mm(L/R/U), 19.4mm(B)	15.3mm(L/R/U), 19.9(B)
	Monitor Dimensions (W x H x D) (head only)	37.9" x 22.0" x 3.0"	42.3" x 24.6" x 3.1"
	Weight (head)	28.2 lbs.	34.2 lbs.
	Monitor w/opt. Stand Dimensions (W x H x D)	37.9" x 25.2" x 11.7"	42.3" x 27.5" x 11.7"
	Weight (Head+Stand)	31.1 lbs.	37.0 lbs.
	Monitor w/opt. Stand + Speaker Dimensions (W x H x D)	37.9" x 25.2" x 11.7"	42.3" x 27.5" x 11.7"
	Weight (Head+Stand+Speaker)	32.8 lbs.	38.8 lbs.
	Carton Dimensions (W x H x D)	41.3" x 27.6" x 6.3"	46.5" x 30.3" x 6.5"
Packed Weight	35.5 lbs.	42.8 lbs.	
VESA™ Standard Mount Interface	200mm x 200mm	400mm x 400mm	
SPECIAL FEATURES	Temperature Sensor	Yes	
	Natural Mode @Tile Mode	Yes	
	Source Selection	Component, RGB, DVI-D, HDMI, USB	
	Brightness/Contrast/ Backlight	Yes	
	Position/Size	Yes	
	Auto Config/Phase	Yes	
	Language (OSD)	English, French, German, Spanish, Italian, Korean , Chinese(Simplified), Chinese(Original), Portugues(Brazil), Swedish, Finnish, Norwegian, Danish, Japanese, Russian, Portugues(Europe), Dutch, Czech, Greek	
	Language (USB Playback)	English, French, German, Spanish, Italian, Korean , Chinese(Simplified), Chinese(Original), Portugues(Brazil), Swedish, Finnish, Norwegian, Danish, Japanese, Russian, Portugues(Europe), Dutch, Czech, Greek	
	Language (Manual)	English, French, Italian, German, Spanish, Portugues, Hungarian, Greek, Russian, Dutch, Kazakh, Ukrainian, Polish, Arabic, Indonesian, Korean, Japanese, Turkish, Czech, Taiwanese, Slovak	
	Language (ESG)	English, French, Italian, German, Spanish, Portugues, Greek, Polish, Czech, Slovak	
	ISM Method	Normal, White Wash, Orbiter, Inversion	
	Advanced	Dynamic Contrast, Dynamic Color, Clear White, Skin Color, Noise Reduction, Digital Noise Reduction, Gamma, Black Level	
	Time	Clock, On/Off Time, Sleep Timer, Power on Delay, Auto Off, Automatic Standby	
	Information	Model/Type, Software Version, Serial Number, IP Address, MAC Address, Homepage	
	Input Label	Yes(PC/DTV)	
	Auto Power/Source Memory	Yes	
	Key Lock	Yes	
	DPM Select	Yes	
	Energy Saving	Yes (Minimum, Medium, Maxium)	
	Smart Energy Saving	Yes	
File Play with USB	Yes		
PIP/PBP	Yes		
ENVIRONMENT CONDITIONS	Operation Temp.	0°C ~ 40°C	
	Operation Humidity	10% ~ 80%	
POWER	Power Supply	100-240V~, 50/60Hz	
	Power Type	Built-In Power	
	Power Consumption	90W (Typ.)	95W (Typ.)
		60W (Smart Energy Savings)	65W (Smart Energy Savings)
DPM: 0.5W(RGB), 0.7W(DVI-D, HDMI)			
STANDARD CERTIFICATION		Power off: 0.5W	
	Safety	UL / cUL / CB scheme / TUV	
	EMC	FCC Class "B", VCCI, C-tick, CE, KCC	
	Energy Star	Yes (Energy Star 6.0)	
MEDIA PLAYER COMPATIBILITY	Yes (NC1100 / NA1100 / NA1000)		
WARRANTY	3-Year Limited Warranty (Parts/Labor/Backlight)		
UPC		7 19192 19187 7	7 19192 19190 7
OPTIONAL ACCESSORIES	SP-2000 (speaker)		
	ST-200T (stand)		



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